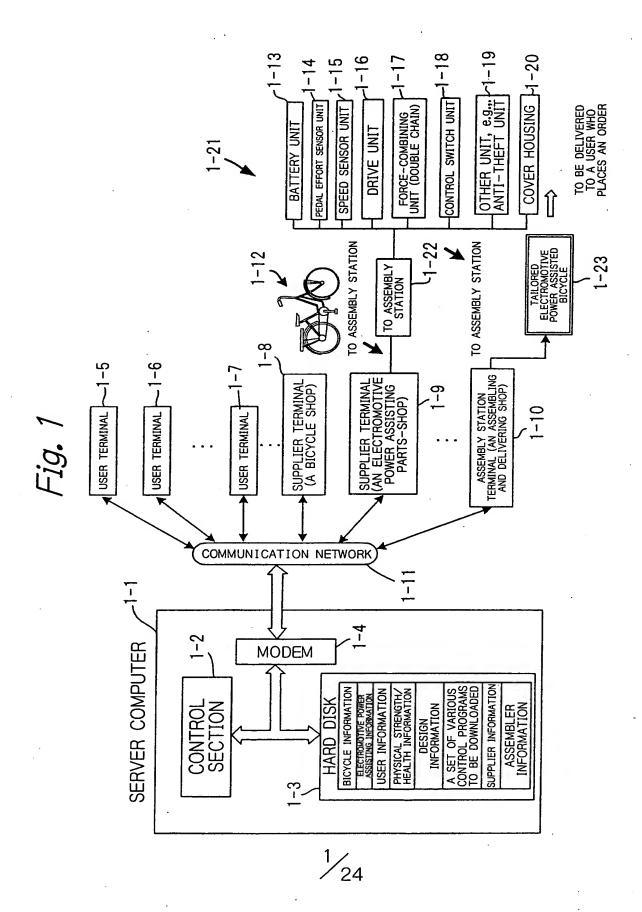
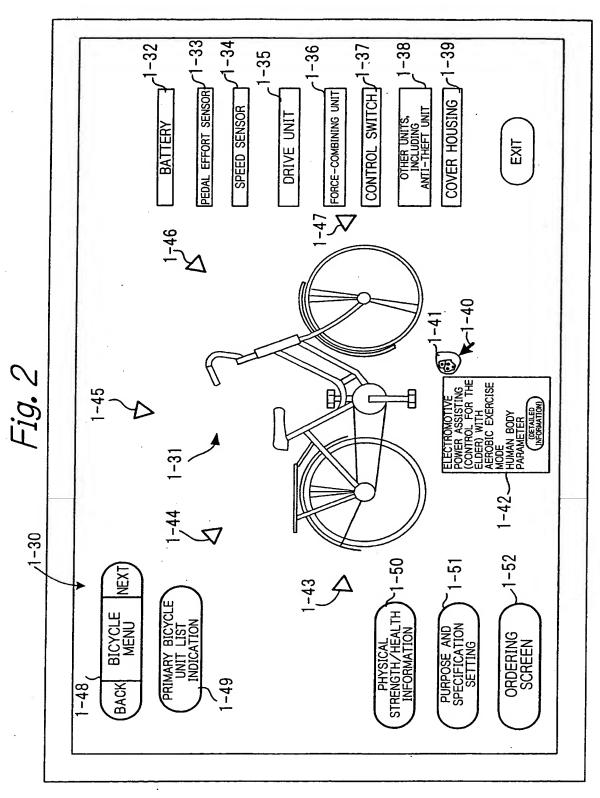
Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP

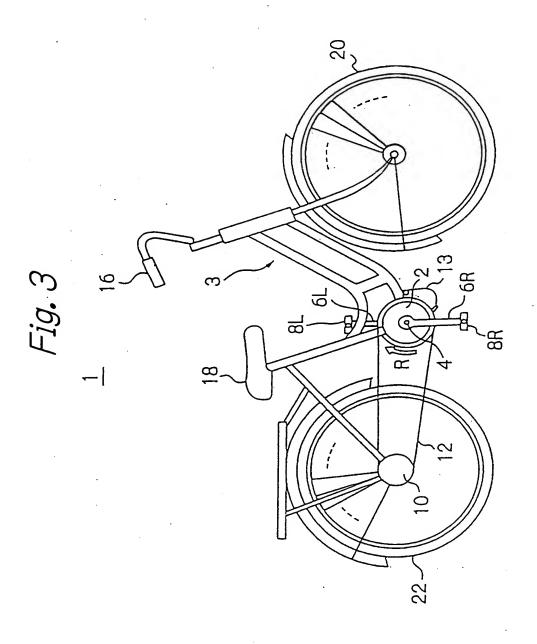


Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP



Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER ASSISTED BICYCLE

Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP



Inventor(s): Kyosuke KOKATSU, et al.

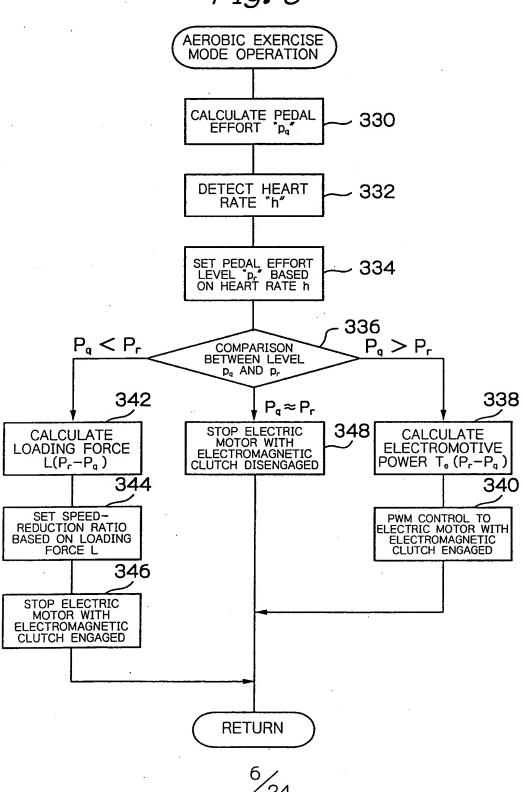
Fig. 4 37 250 33 15-**AMPLIFYING** M CIRCUIT 35a 37a m CLUTCH CONTROL SIGNAL PULSE OUTPUT 220 ROTATIONAL SPEED SIGNAL ROTATIONAL SPEED SENSOR 252 1-CHIP MICROCOMPUTER STATION GAGE SIGNAL 26 (16bit) HEART RATE SIGNAL 254 14 OPERATION MODE SIGNAL 256 ➤ USER TERMINAL

ASSISTED BICYCLE Inventor(s): Kyosuke KOKATSU, et al.

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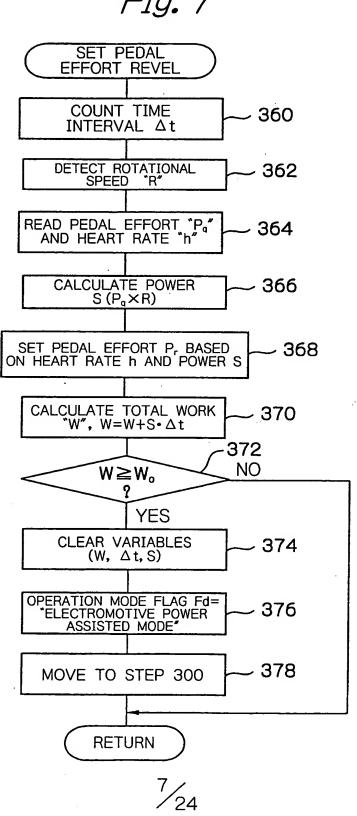
Fig. 5 **MAIN** 300 **AEROBIC NORMAL OPERATION** Fd DETERMINATION OPERATION MODE MODE ON OPERATION MODE FLAG ELECTROMOTIVE POWER ASSISTING MODE ~ 302 **CALCULATE BICYCLE SPEED** 310 304 STOP ELECTRIC MOTOR WITH ELECTROMAGNETIC CLUTCH DISENGAGED 312 **CALCULATE** PEDAL EFFORT AEROBIC EXERCISE MODE OPERATION 306 DETERMINE ASSIST RATIO FROM BICYCLE SPEED AND PEDAL EFFORT PWM CONTROL TO ELECTRIC MOTOR WITH ELECTROMAGNETIC CLUTCH ENGAGED 308

Fig. 6

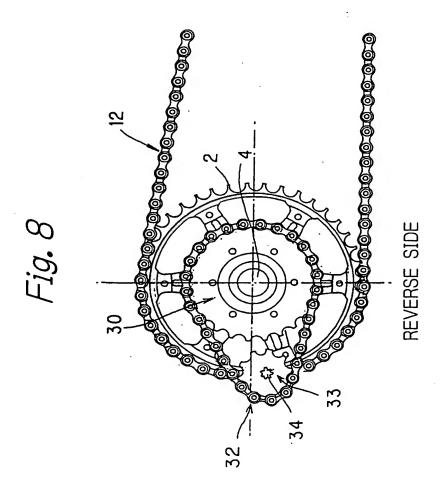


Inventor(s): Kyosuke KOKATSU, et al.

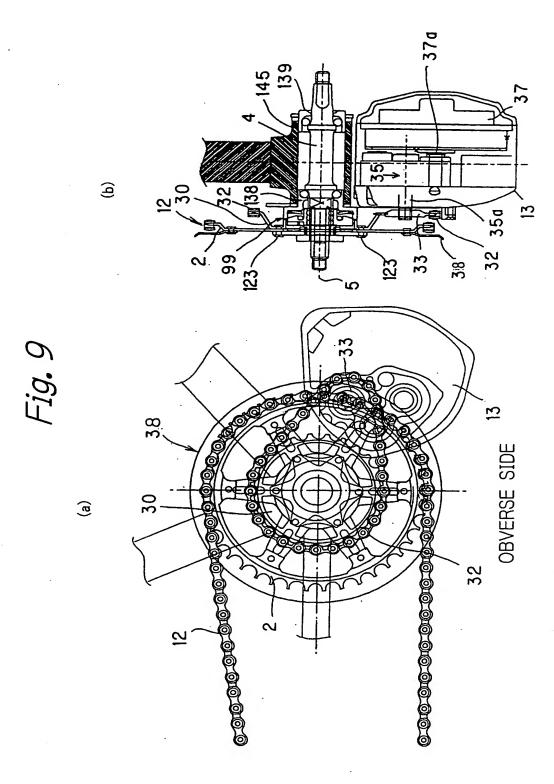
Fig. 7



Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER ASSISTED BICYCLE Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP



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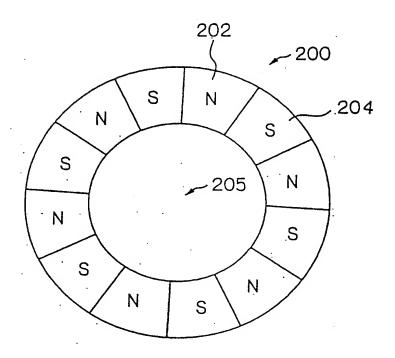
CIRCUMFERENTIAL DIRECTION 732 Fig. 10 RADIAL DIRECTION REVERSE SIDE

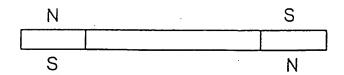
ASSISTED BICYCLE Inventor(s): Kyosuke KOKATSU, et al.

nventor(s): Kyosuke KOKATSU, e Atty. Ref.: 5703-005/NP

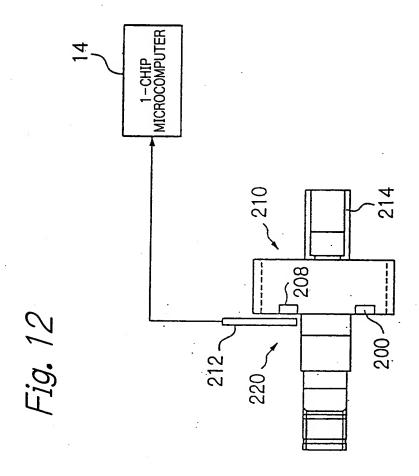
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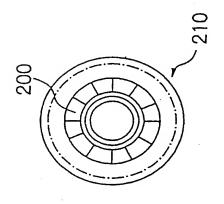
Fig. 11





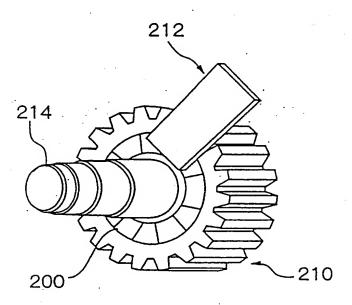
Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER ASSISTED BICYCLE Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP





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Fig. 13



Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER

ASSISTED BICYCLE

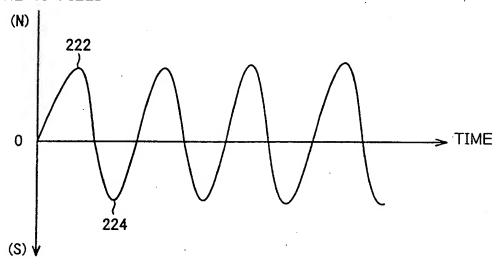
10/520095

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Fig. 14

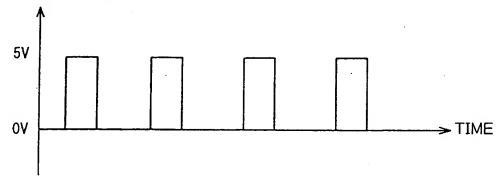
(a)

INTENSITY OF MAGNETIC FIELD



(b)

HALL IC OUTPUT (V)

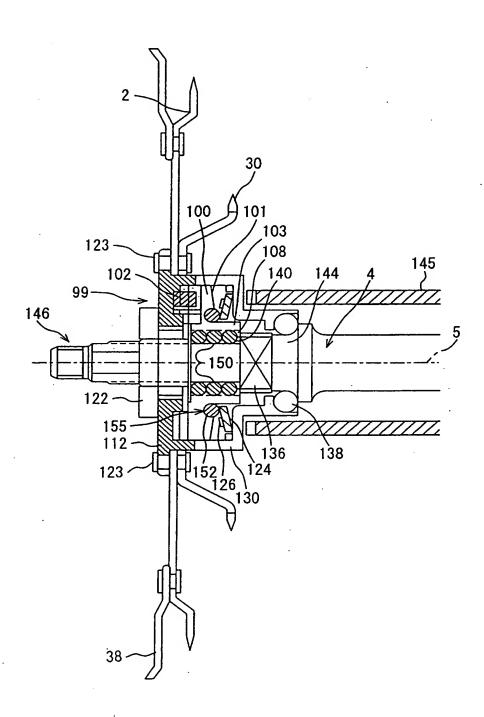


Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER

ASSISTED BICYCLE

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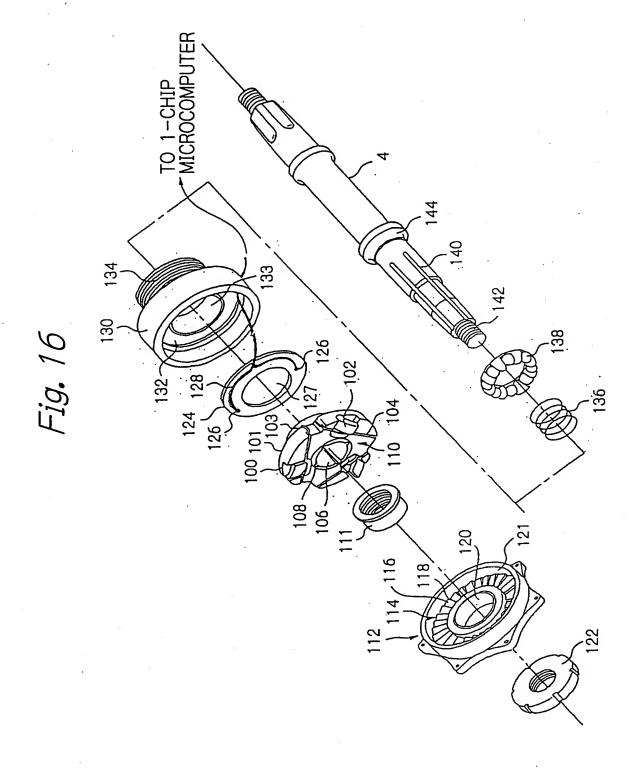
Fig. 15



Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER

ASSISTED BICYCLE

10/520095 Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP



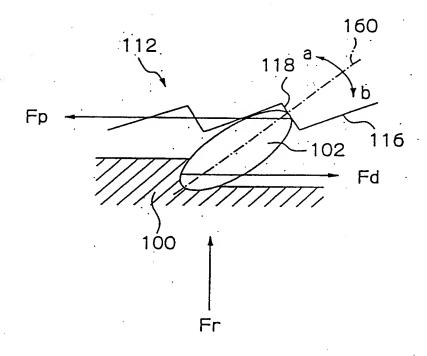
Title: A SERVER SYSTEM FOR DISTRIBUTING AN ELECTROMOTIVE POWER

ASSISTED BICYCLE

Inventor(s): Kyosuke KOKATSU, et al.

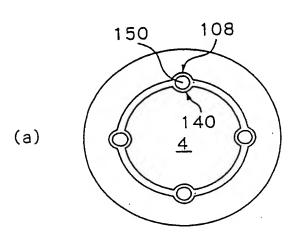
Atty. Ref.: 5703-005/NP

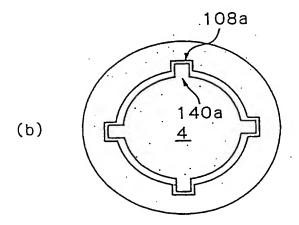
Fig. 17

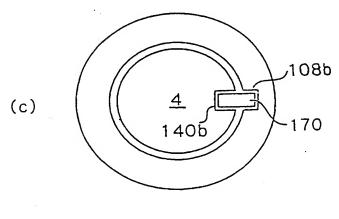


10/520095 Inventor(s): Kyosuke KOKATSU, et al. Atty. Ref.: 5703-005/NP

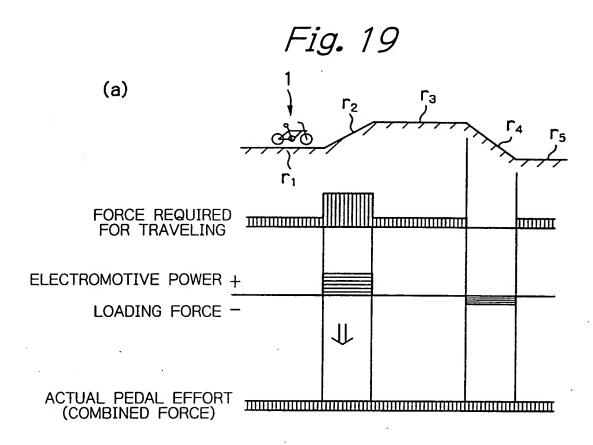
Fig. 18

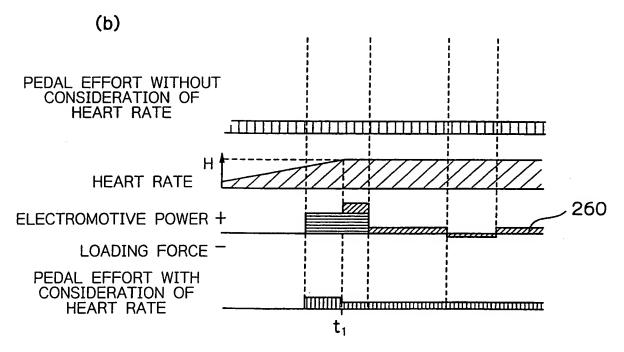




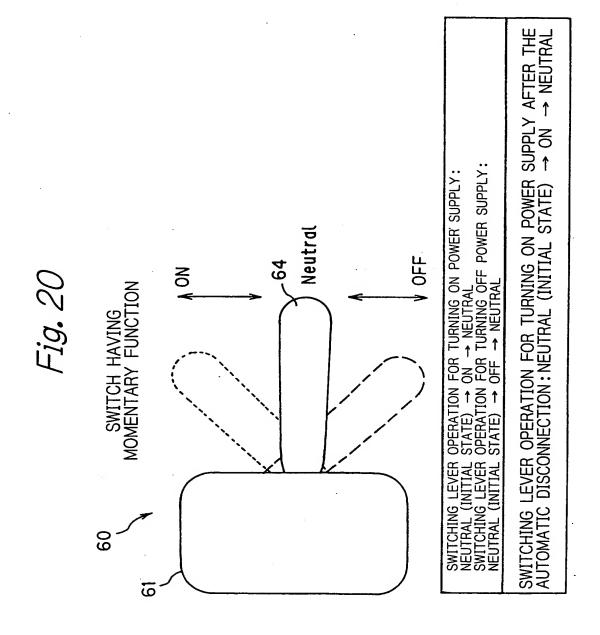


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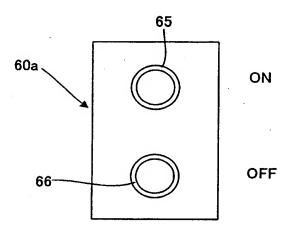


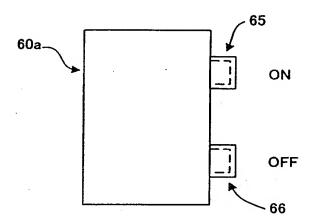
ASSISTED BICYCLE Inventor(s): Kyosuke KOKATSU, et al.

Atty. Ref.: 5703-005/NP

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Fig. 21



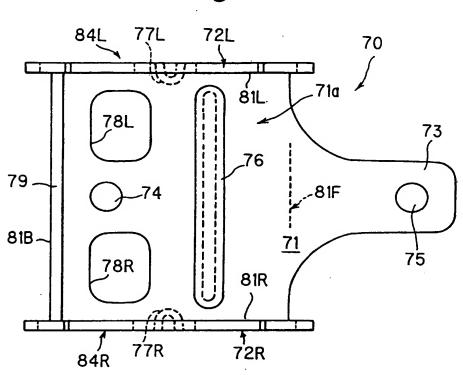


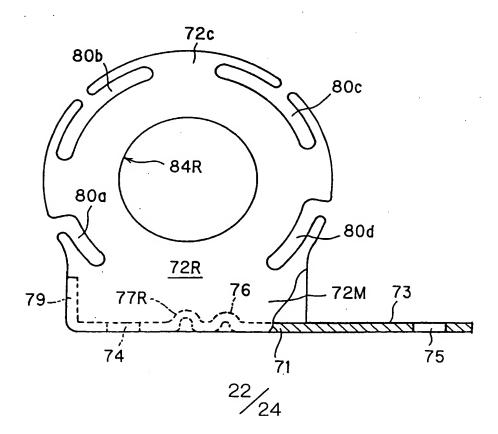
SWITCH PRESSING OPERATION FOR TURNING ON POWER SUPPLY: NEUTRAL (INITIAL STATE)  $\rightarrow$  ON  $\rightarrow$  NEUTRAL SWITCH PRESSING OPERATION FOR TURNING OFF POWER SUPPLY: NEUTRAL (INITIAL STATE)  $\rightarrow$  OFF  $\rightarrow$  NEUTRAL

SWITCH PRESSING OPERATION FOR TURNING ON POWER SUPPLY AFTER THE AUTOMATIC DISCONNECTION: NEUTRAL (INITIAL STATE)  $\to$  ON  $\to$  NEUTRAL

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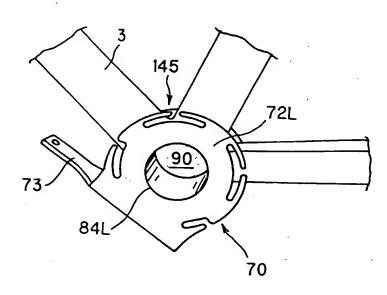
Fig. 22



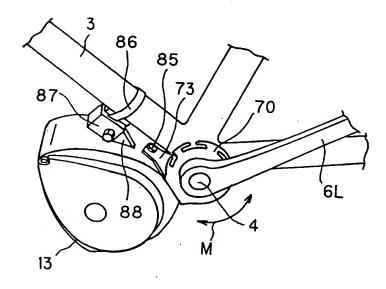


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Fig. 23 (a)



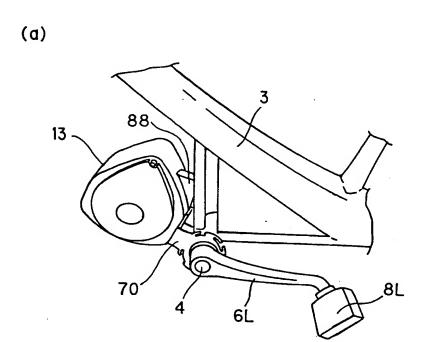
(b)



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Fig. 24



(b)

